

DRILL HOLES

DRILL HOLES

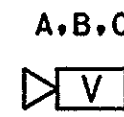
DRILL HOLES

BORDER REV. DATE: June 1, 2004

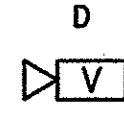
BY: WJWARNER

MD 45 IS ASSUMED TO RUN  
IN A NORTH-SOUTH DIRECTION

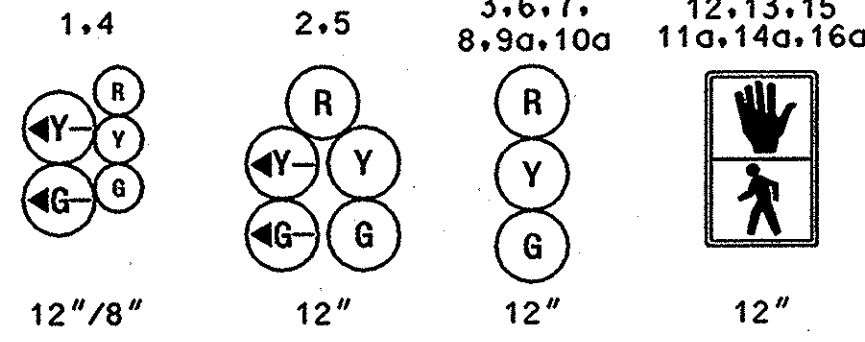
EXISTING VIDEO DETECTION  
CAMERAS TO REMAIN



EXISTING VIDEO DETECTION  
CAMERAS TO BE RELOCATED



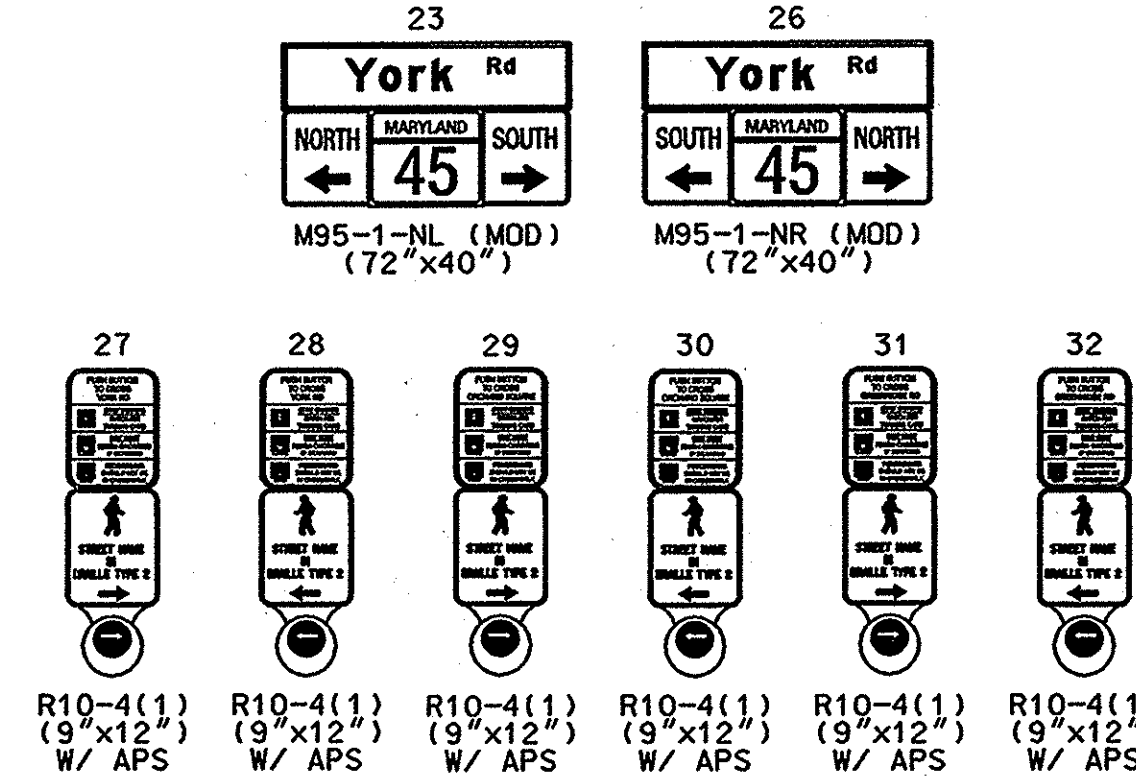
EXISTING SIGNAL  
HEADS TO BE REMOVED



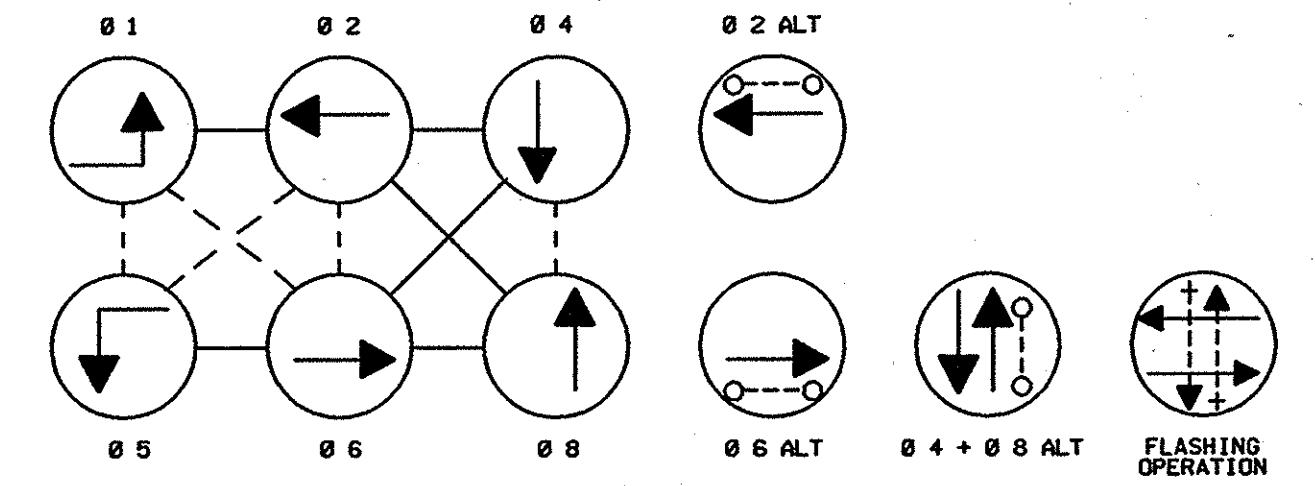
EXISTING SIGNS  
TO BE RELOCATED



PROPOSED  
SIGNS



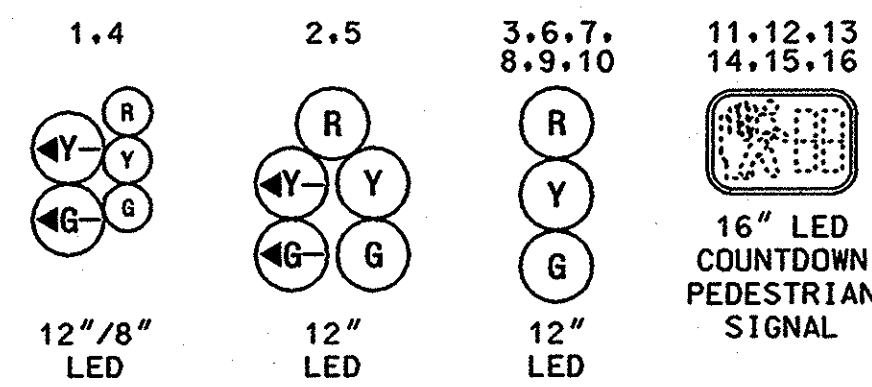
NEMA PHASING



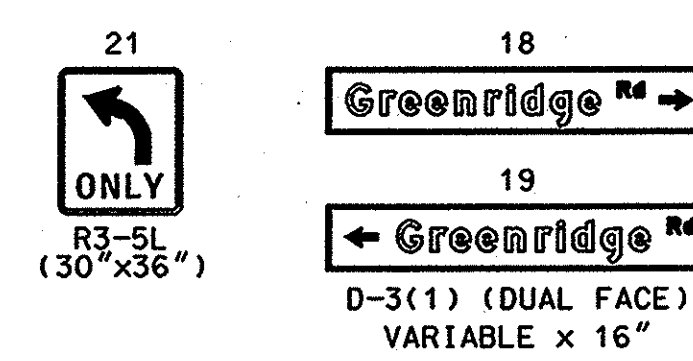
PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

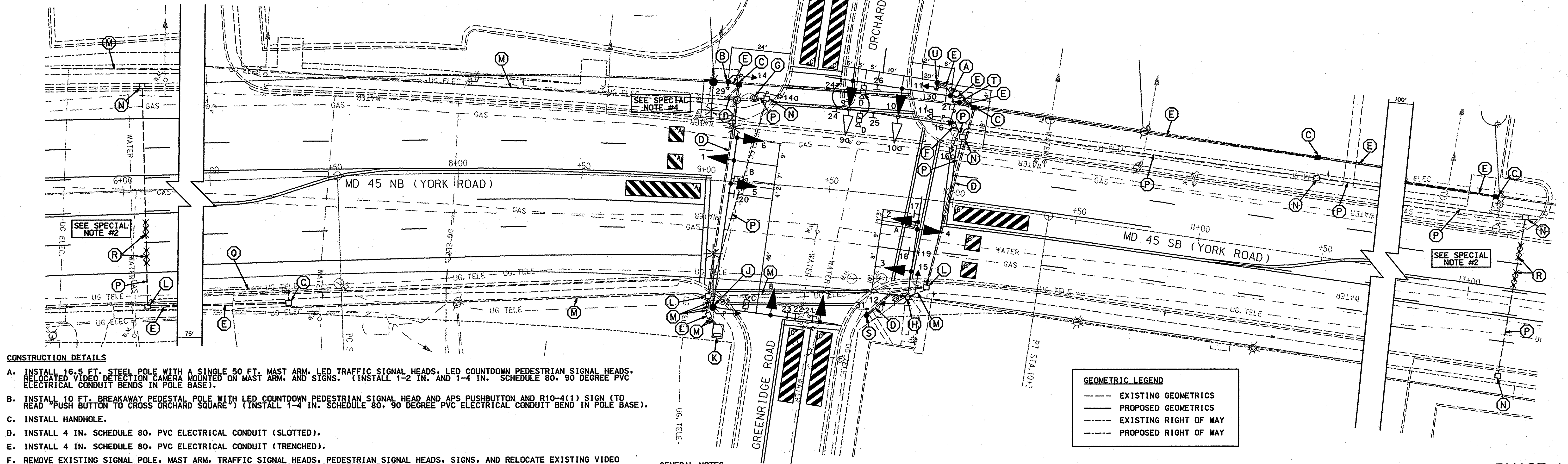
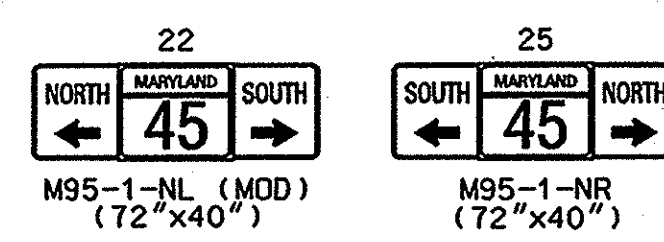
PROPOSED  
SIGNAL HEADS



EXISTING SIGNS  
TO REMAIN



EXISTING SIGNS  
TO BE REMOVED



# CONSTRUCTION DETAILS

- INSTALL 16.5 FT. STEEL POLE WITH A SINGLE 50 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, LED COUNTDOWN PEDESTRIAN SIGNAL HEADS, RELOCATED VIDEO DETECTION CAMERA MOUNTED ON MAST ARM, AND SIGNS. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
- INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD AND APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS ORCHARD SQUARE") (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE).
- INSTALL HANDHOLE.
- INSTALL 4 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT (SLOTTED).
- INSTALL 4 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT (TRENCHED).
- REMOVE EXISTING SIGNAL POLE, MAST ARM, TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, SIGNS, AND RELOCATE EXISTING VIDEO DETECTION CAMERA LOCATED ON MAST ARM. REMOVE FOUNDATION 12 IN. BELOW GRADE.
- REMOVE EXISTING PEDESTAL POLE, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN. REMOVE FOUNDATION 12 IN. BELOW GRADE.
- USE EXISTING SIGNAL POLE. INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL HEADS AND APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS YORK RD").
- USE EXISTING SIGNAL POLE. INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, 20 FT. LIGHTING ARM AND LUMINAIRE, AND APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS GREENRIDGE RD").
- USE EXISTING BASE MOUNTED CONTROLLER.
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- REMOVE EXISTING HANDHOLE.

- CAP AND ABANDON EXISTING CONDUIT.
- ABANDON EXISTING LOOP DETECTOR.
- REMOVE EXISTING MICROLOOP DETECTOR.
- INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS GREENRIDGE RD") (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE). CUT TOP OF POLE AS NECESSARY.
- INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS YORK RD") (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE). CUT TOP OF POLE AS NECESSARY.
- INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS ORCHARD SQUARE") (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE). CUT TOP OF POLE AS NECESSARY.

## GENERAL NOTES

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO INSTALLATION.

## SPECIAL NOTES

- VIDEO DETECTION ZONES SHALL BE ADJUSTED THROUGHOUT CONSTRUCTION OF THE MD 45 WIDENING PROJECT (BA7065171). THE FINAL DETECTION ZONES FOR LEFT-TURNS WILL BE ESTABLISHED AT THE COMPLETION OF THE WIDENING PROJECT WHEN FINAL PAVEMENT MARKINGS ARE IN PLACE.
- MICROLOOP PROBE SETS SHALL BE INSTALLED IN FINAL MD 45 TRAVEL LANE LOCATIONS IMMEDIATELY PRIOR TO THE FINAL MD 45 PAVEMENT OVERLAY (SEE FINAL SIGNAL PLAN).
- EXISTING PAVEMENT MARKINGS ARE SHOWN. SEE FINAL SIGNING AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.
- PROPOSED SW CORNER LIGHTING ARM AND LUMINAIRE TO BE RELOCATED ONTO NEW UTILITY POLE BY BGE.
- NEW INTERCONNECT SHALL BE INSTALLED DURING PHASE 1 PRIOR TO REMOVING EXISTING INTERCONNECT.

## GEOMETRIC LEGEND

- EXISTING GEOMETRICS
- PROPOSED GEOMETRICS
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY

**McCormick  
Taylor**  
Engineers & Planners  
Since 1946

509 South Exeter Street  
4th Floor  
Baltimore, Maryland 21202  
(410) 662-7400

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MARYLAND 45 (YORK ROAD) WIDENING  
CAVAN DRIVE TO RIDGELY ROAD

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

SIGNALIZATION PLAN - MD 45 at Greenridge Road			
SCALE	1"=20'	DATE	8/4/87
CONTRACT NO.	BA7065171	DESIGNED BY	W.R. SMITH
		DRAWN BY	W.R. SMITH
		CHECKED BY	C.R.M.
		F.A.P. NO.	SEE TITLE SHEET
DRAWING NO.	SS-01 OF SS-25	SHEET NO.	69 OF 137

PLOTTED: 8/22/2006  
FILE: G:\4674\10\DESIGN\ENGINEERING\PLANSET\SS01MD45.DGN